



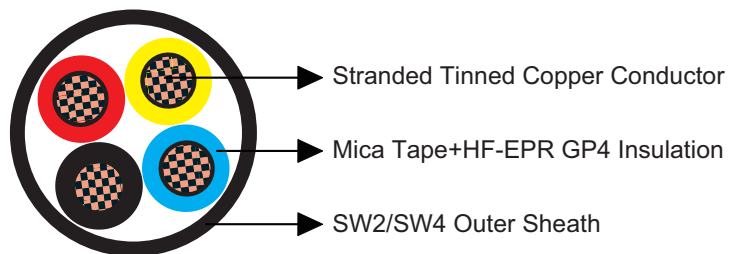
### 0.6/1kV HF-EPR Insulated, SW2/SW4 Sheathed Unarmoured Fire Resistant Power & Control Cables

#### Application

These fire resistant elastomeric insulated cables are designed for fixed wiring in ships and on mobile offshore units, suitable for use in power and control applications where fire integrity is essential.

#### Standards

- BS 7917
- IEC 60331-31 Fire resistant
- IEC 60332-3A Flame retardant
- IEC 60754-1; IEC 60754-2 Corrosivity
- IEC 61034-2 Smoke density
- Cold bend and impact (-40°C) (on request)
- CSA C22.2 No. 38-95 (on request)



#### Construction

- Conductor: Tinned copper wire stranded circular cl. 2 BS 6360/IEC 60228.
- Insulation: Mica tape + HF-EPR GP4 according to BS 7655 1.2.
- Sheath: Halogen free thermosetting compound SW4 according to BS 7655 2.6 or reduced halogen thermosetting compound SW2 according to BS 7655 2.6.

#### Mechanical and Thermal Properties

Minimum Internal Bending Radius:  $6 \times OD$  ( $OD > 25\text{mm}$ );  $4 \times OD$  ( $OD \leq 25\text{mm}$ )  
Temperature Range:  $-40^{\circ}\text{C} \sim +90^{\circ}\text{C}$



## LV Fire Resistant Power & Control Cables

[www.caledonian-cables.co.uk](http://www.caledonian-cables.co.uk)

### Dimensions and Weight

#### Single core cables

Construction No. of cores×Cross section(mm <sup>2</sup> )	Nominal Insulation Thickness mm	Nominal Sheath Thickness mm	Minimum Overall Diameter mm	Maximum Overall Diameter mm	Approx. Weight kg/km
1×4	1.0	1.0	6.7	8.0	90
1×6	1.0	1.0	7.2	8.5	135
1×10	1.0	1.0	8.1	9.5	180
1×16	1.0	1.1	9.3	10.7	315
1×25	1.2	1.2	11.5	13.2	550
1×35	1.2	1.2	12.3	14.1	715
1×50	1.4	1.3	14.1	15.9	830
1×70	1.4	1.3	15.8	17.8	1110
1×95	1.6	1.4	18.1	20.2	1470
1×120	1.6	1.5	20.0	22.4	2130
1×150	1.8	1.6	22.0	24.6	2475
1×185	2.0	1.7	24.4	27.0	2870
1×240	2.2	1.8	27.5	30.3	3120
1×300	2.4	1.9	30.4	33.6	4060

#### Multicore cables

Construction No. of cores×Cross section(mm <sup>2</sup> )	Nominal Insulation Thickness mm	Nominal Sheath Thickness mm	Minimum Overall Diameter mm	Maximum Overall Diameter mm	Approx. Weight kg/km
2×1.5	0.8	1.1	9.0	10.4	145
2×2.5	0.8	1.1	9.8	11.4	180
2×4	1.0	1.2	11.8	13.5	260
2×6	1.0	1.2	12.9	14.6	325
2×10	1.0	1.3	14.9	16.8	445
2×16	1.0	1.4	17.1	19.1	630
2×25	1.2	1.5	21.2	23.7	930
2×35	1.2	1.6	23.1	25.7	1210
2×50	1.4	1.7	26.5	29.2	1630
2×70	1.4	1.9	30.3	33.5	2210
2×95	1.6	2.1	34.9	38.2	3010
2×120	1.6	2.2	38.4	42.2	3690
3×1.5	0.8	1.1	9.6	11.0	170
3×2.5	0.8	1.1	10.4	12.1	210
3×4	1.0	1.2	12.6	14.3	310
3×6	1.0	1.2	13.8	15.5	395
3×10	1.0	1.3	15.9	17.8	590
3×16	1.0	1.4	18.2	20.3	830
3×25	1.2	1.6	22.9	25.4	1270
3×35	1.2	1.7	24.9	27.6	1540





Construction No. of cores×Cross section(mm <sup>2</sup> )	Nominal Insulation Thickness mm	Nominal Sheath Thickness mm	Minimum Overall Diameter mm	Maximum Overall Diameter mm	Approx. Weight kg/km
3×50	1.4	1.8	28.5	31.3	2100
3×70	1.4	2.0	32.7	35.9	2870
3×95	1.6	2.2	37.5	41.0	3910
3×120	1.6	2.3	41.3	45.3	4800
3×150	1.8	2.5	45.8	49.9	5810
3×185	2.0	2.7	50.9	55.5	7290
3×240	2.2	2.9	57.5	62.4	9440
4×1.5	0.8	1.1	10.5	12.1	200
4×2.5	0.8	1.1	11.4	13.1	250
4×4	1.0	1.2	13.8	15.6	375
4×6	1.0	1.3	15.3	17.3	495
4×10	1.0	1.4	17.7	19.7	740
4×16	1.0	1.5	20.3	22.8	1050
4×25	1.2	1.7	25.5	28.1	1580
4×35	1.2	1.8	27.7	30.5	1960
4×50	1.4	1.9	31.8	35.0	2570
4×70	1.4	2.1	36.3	39.7	3530
4×95	1.6	2.3	41.7	45.7	4850
4×120	1.6	2.5	46.2	50.3	5990
5×1.5	0.8	1.1	11.4	13.1	220
7×1.5	0.8	1.2	12.6	14.4	285
12×1.5	0.8	1.3	16.8	18.8	465
19×1.5	0.8	1.4	19.9	22.4	680
27×1.5	0.8	1.6	24.3	26.9	960
37×1.5	0.8	1.7	27.4	30.4	1260
5×2.5	0.8	1.2	12.7	14.4	310
7×2.5	0.8	1.2	13.9	15.6	375
12×2.5	0.8	1.4	18.7	20.8	610
19×2.5	0.8	1.5	22.1	24.7	895

